Web Images Videos Maps News Shopping Grail more ▼

Scholar Preferences | Sign in



Intravascular ultrasound image segmentation: A fast-marching method MH Roy Cardinal, J Meurier, G Soulez... - ... Image Computing and 2003 - Springer Abstract. Intravascular ultrasound (IVUS) is a medical imaging tech-nique that not only provides three-dimensional information about the blood vessel lumen and wall, but also directly depicts atherosclerotic plaque structure and morphology. Automatic processing of large data sets ... Offed by 15 - Related articles - Bt. Direct

[PDF] Multimodal registration of intravascular ultrasound images and angiography

D Rotger, P Radeva... - Proceedings of the XX 2002 - cvc.uab.es ... Intravascular ultrasound images are acquired during a catheter pullback through the vessel. ... Note that these points represent the center of first and last IVUS images. ... in section 3. The process of catheter detection consists of applying the fast marching algorithm presented by ...

Cited by 7 - Related articles - View as HTML - All 4 versions

Internal and external coronary vessel images registration
D Rotger, P Radeva, J Mauri... - Topics in Artificial ..., 2002 - Springer
... Intravascular ultrasound images are acquired during a pullback of catheter through the vessel ...
Note that these points represent the center of first and last IVUS images (see fig.4 ... The process of catheter projection consists of applying the fast marching algorithm that allows to find a ... Cited by 8 - Related articles - 81 Direct - All 9 versions

ICITATIONI LNCS 2879: MICCAI 2003 Proceedings, Part II-Interventional Imaging-Intravascular Ultrasound Image Segmentation: A Fast-Marching Method

MHR Cardinal, J Meunier... - Lecture Notes in ..., 2003 - Berlin, Springer-Verlag, 1973-

[CITATION] Active Vessel: A New Multimedia Workstation for Intravascular Ultrasound and Angiography Fusion D Rotger1, M Rosales1, 3, J Garcia1, O Pujol1, J ...

Huitrasound - Computers in cardiology 2003: September 21-24, 2003 ..., 2003 - IEEE Related articles

Automated segmentation and analysis of vascular structures in magnetic resonance angiographic

is based on the fast marching level set method (FMLSM), as described previously (17-20). ...

Rasanen et al. (28) compared MRA with XA and intravascular ultrasound (IVUS). ...

Cited by 22 - Related articles - 84. Direct - All 4 versions

[BOOK] Medical image computing and computer-assisted intervention: MICCAI 2003

RE Ellis - 2003 - books google.com
... Hegde, Vithuran Rahunathan, Reza Razavi 3D Elastic Registration of Vessel Lumen from IVUS
Data on ... Platform and Interface Library 424 Robert Rohling, Wilson Fung, Pedram Lajevardi

Cited by 2 - Related articles - All 2 versions

[PDF] A multigrid approach for fast geodesic active contours

A Kengsberg, R Kimmel... - Cop. Mrt. Conf. on Multigrid ..., 2001 - Citeseer

... It is applied in small regions, motivated by the Adalsteinsson-Sethian level-set narrow band approach [11], and uses a fast marching method for re-initialization. 1.2 Multigrid Review ... In the third case, we show segmentation of a medical image, IVUS (Intra Vascular Ultrasound). ...

Cited by 7 - Pelated articles - View as HTML - All 8 versions

[BOOK] Medical image computing and computer-assisted intervention-MICCAI 2003: 6th

International Conference, Montréal, Canada, November 15-18, 2003: ...

3 - books.google.com

RE: Ellis. . - 2003 - books.google.com
... Sparse 3D Ultrasonography 416 Mark J. Goading, Stephen Kennedy, J. Alison Noble PUPIL:
Programmable Ultrasound Platform and Interface Library 424 Robert Rohling, Wilson Fung,
Pedram Lajevardi Intravascular Ultrasound Image Segmentation: A Fast-Marching Method. ...

[CITATION] 基于活动轮廓模型的超声心脏图像轮廓的自动检测

Z Shukui - 生物医学工程学杂志, 2001 - scholar.lib.cn

轮廓的提取是超声医图像学多维重建中最困难的问题之一。本文提出了一种超声心脏图像轮廓的 自动检测方法。首先,根据超声图像的特点,对超声图像进行自适应加权中值滤波以消除斑点噪声。 然后利用数学形态学的方法提取出心脏的初始轮廓。最后,运用活动轮廓模型,对初始轮廓进行 ...

[BOOK] Angiography and plaque imaging: advanced segmentation techniques

JS Sun... - 2003 - books.google.com ... On the other hand, angiograms, visualizing just the vessel lumen, are in- herently limited in defining the distribution and extension of coronary wall disease. As a perfect complement, intravascular ultrasound (IVUS) images Page 13. ...

Cited by 8 - Related articles - Library Search - All 4 versions

[PDF] from uab.es

(PDF) from psu.edu

[PDF] from psu.edu

Non-Skeleton-and Skeleton-Based Segmentation Techniques from Angiography Data Sets

JS Suri, K Liu, S Singh... - Angiography and plaque ..., 2003 - books google.com Page 22. 1 Non-Skeleton-and Skeleton-Based Segmentation Techniques from Angiography Data Sets Jasjit S. Suri, Kecheng Liu, Sameer Singh, and Swamy Laxminarayan CONTENTS 1.1 Introduction.........

Related articles

[HTML] Medical Imaging 2003: Image Processing (Proceedings Volume)

Y Gustavsson, K Althoff, J Degerman, T Oisson... - 2003 - sple.org

... problems. In this study we propose a method that is based on the iterative closest point (ICP) algorithm and a pre-computed closest point map obtained with a slight modification of the ${\bf fast\ marching}$ method proposed by Sethian. ...

Realitätsnahe Modellierung und Visualisierung dynamischer medizinischer Bilddaten mittels aktiver (POF) from Nu-darmstarft der

Konturen, aktiver Regionen und deformierbarer Modelle

Page 1. Dissertation, S. Großkopf GRIS, TU-Darmstadt 1 Realitätsnahe Modellierung und Visualisierung dynamischer medizinischer Bilddaten mittels aktiver Konturen, aktiver Regionen und deformierbarer Modelle Vom Fachbereich ...

Cited by 4 - Related articles - All 6 versions

Morphological methods for biomedical image analysis

J Goutsias ... - Handbook of Medical Imaging: Medical ..., 2000 - books.googie.com
Page 185. CHAPTER 4 Morphological Methods for Biomedical Image Analysis John Goutsias The Johns Hopkins University Sinan Batman The Johns Hopkins University Contents 4.1 Introduction 177 4.2 Binary morphological operators 182 4.2. ...

Cited by 27 - Related articles

A note on future research in segmentation techniques applied to neurology, cardiology,

mammography and pathology

JS Sun, S Singh, SK Setarehdan......... to medical image ..., 2001 - portal.acm.org Haya Shida, Subscribe (Full Service), Register (Limited Service, Free), Login. Search: The ACM Digital Library The Guide. ...

Related articles

AUTOMATED SONOGRAPHIC IMAGE ANALYSIS FOR COMMON CAROTID ARTERY WALL

IPDFI from acku.edu.tw

[HTML] from spie.org

DETECTION

D Cheng - 2003 - ethesys.lib.noku.edu.tw

Page 1. 國立成功大學 醫學工程研究所 博士論文 自動化超音波影像頸動脈壁偵測系統 AUTOMATED SONOGRAPHIC IMAGE ANALYSIS FOR COMMON CAROTID ARTERY WALL DETECTION 研究生: 程大川 指導教授: 鄭國順 中華民國九十二年七月 Page 2. To my parents, ...

Related articles - All 2 versions

Create email alert

"fast marching" AND (IVUS OR "intri Search

Go to Google Home - About Google - About Google Scholar

©2010 Google